

CURRICULUM VITAE**SACHIN PENDHARKAR****I. BIOGRAPHICAL DATA**

Sachin R. Pendharkar
Rockyview Hospital
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Current Rank: Assistant Professor

Departments: Primary Appointment: Medicine

Secondary Appointment: Community Health Sciences

Faculty: Medicine

Institution: University of Calgary

II. ACADEMIC RECORD**i. Final Degree**

2011 **M. Sc.** in Health Services Research, University of Calgary

ii. Undergraduate

2002 **MD**, University of Western Ontario

1998 **B. Arts Sc.**, McMaster University

iii. Special Professional

2013 “AHS Improvement Way: Fundamentals of Improvement, Change & Problem Solving” Course, Alberta Health Services

2013 “Quality Measurement for Leadership and Learning” Course, Physician Management Institute, Canadian Medical Association

2008 “Research and Analysis for Decision Making” Course (audited), University of Calgary

2007 “Fundamentals of Operations Management” Course (audited), University of Calgary

2007 Interventional Bronchoscopy Course, University of Montreal

2007 Biostatistics Workshop, Postgraduate Medical Education, University of Calgary

2006 Chief Medical Residents’ Health Leadership Seminar Series, University of Toronto

iv. Postgraduate Education

2008-2011 Clinical/Research Fellow, Adult Sleep Medicine, University of Calgary

- 2006-2008 Resident, Adult Respiratory Medicine, University of Calgary
- 2005-2006 Chief Medical Resident, Internal Medicine, University of Toronto
- 2005-2006 Fellow, General Internal Medicine, University of Toronto
- 2002-2005 Resident, Internal Medicine, University of Toronto

v. **Licensure, Certification and Boards**

Licensure

- 2008-present Respiriology, College of Physicians and Surgeons of Alberta
- 2002-2006 College of Physicians and Surgeons of Ontario

Certification

- 2011 **Diplomate**, Sleep Medicine, American Board of Internal Medicine
- 2010 **Diplomate**, Internal Medicine, American Board of Internal Medicine
- 2008 **FRCPC**, Adult Respiriology, Royal College of Physicians & Surgeons of Canada
- 2006 **FRCPC**, Internal Medicine, Royal College of Physicians & Surgeons of Canada
- 2003 **LMCC**, Medical College of Canada
- 2002 Advanced Cardiac Life Support

III. AWARDS AND DISTINCTIONS

- 2015 Finalist, President's Award of Excellence for Innovation, Alberta Health Services (team lead)
- 2015 Associate Dean's Letter of Excellence for Undergraduate Medical Education, Faculty of Medicine, University of Calgary
- 2014 Division of Respiriology Merit Award, Department of Medicine, University of Calgary
- 2014 Division of Respiriology Physician Recognition Award, Department of Medicine, Rockyview General Hospital
- 2012-13 Associate Dean's Letter of Excellence for Undergraduate Medical Education, Faculty of Medicine, University of Calgary
- 2012 Governor General's Gold Medal, University of Calgary
- 2011 Student Travel Award, Canadian Operational Research Society (to attend CORS annual conference 2011)
- 2010 Student Travel Award, INFORMS-Sim Committee on Underrepresented Minorities and Women (to attend Winter Simulation Conference 2010)
- 2009 Western Regional Training Centre Studentship
- 2009 Alberta Heritage Foundation for Medical Research Clinical Fellowship
- 2009 Health Quality Council of Alberta Studentship
- 2009 Queen Elizabeth II Graduate Scholarship – University of Calgary
- 2008 Gold Star Resident Teaching Award – University of Calgary

- 2007 Best presentation, “Drug-Induced Lung Disease” category of Fellow’s Case Competition – CHEST 2007 Annual Meeting
- 2006 Don Cowan Teaching Award – Sunnybrook Health Sciences Centre, Toronto, ON
- 2006 Peters-Boyd Academy Resident/Fellow Teaching Award – Sunnybrook Health Sciences Centre, University of Toronto
- 2003 Co-winner, “UHN Great Case Competition” – University Health Network, University of Toronto
- 2002 PAIRO Trust Fund Citizenship Award
- 2002 Bioethics Scholarship
- 2002 Class of ’55 Prize for Academic Excellence
- 2002 Roche Scholarship
- 2002 John William Rohrer Memorial Award
- 2002 UWO Faculty of Medicine and Dentistry Honour Society Award

IV. ACADEMIC AND PROFESSIONAL APPOINTMENTS

i. Academic Appointments

- 2012-present Affiliate, Ward of the 21st Century, University of Calgary
- 2012-present Assistant Professor of Community Health Sciences, University of Calgary
- 2011-present Assistant Professor of Medicine, University of Calgary
- 2011-present Affiliate, Institute for Public Health, University of Calgary

ii. Professional Appointments

- 2009-present Sleep Physician, Alberta Health Services – Calgary Zone
- 2008-present Respiriologist, Alberta Health Services – Calgary Zone
- 2006-2008 Internist, Alberta Medical Association Rural Locum Physician Services Program

V. EDUCATIONAL ACTIVITIES

i. Undergraduate

- 2014 Preceptor, MDCN 440 “Applied Evidence-Based Medicine Directed Study” (student: Riley Hartmann), Faculty of Medicine, University of Calgary
- 2013-14 Lecturer, MDCN 440 “Applied Evidence-Based Medicine Directed Study” “Improving Patient Flow: A Queueing Approach”, Faculty of Medicine, University of Calgary
- 2013 Preceptor, MDCN 440 “Applied Evidence-Based Medicine Directed Study” (student: Ryan Iwasiw), Faculty of Medicine, University of Calgary

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| 2011-2012 | Preceptor, MDSC 528 “Independent Study in Medical Science” (student: Carl Severson), Faculty of Medicine, University of Calgary |
| 2011 | Preceptor, OPMA 559 “Healthcare Operations Management” field study project, <i>Operational analysis of the Rockyview Hospital pulmonary function laboratory</i> , Haskayne School of Business, University of Calgary |
| 2011 | Lecturer, MDCN 370 “Course III: Cardiology/Respirology” – “Pulmonary Mechanics”, Faculty of Medicine, University of Calgary |
| 2006-present | Preceptor, MDCN 370 “Course III: Cardiology/Respirology,” Clinical Correlation, Faculty of Medicine, University of Calgary |
| 2006-present | Tutor, MDCN 370 “Course III: Cardiology/Respirology,” Faculty of Medicine, University of Calgary |
| 2005-2006 | Tutor, Clinical Clerkship Bedside Teaching Curriculum, Faculty of Medicine, University of Toronto |
| 2005-2006 | Tutor, Clinical Clerkship Core Curriculum, Faculty of Medicine, University of Toronto |
| 2005-2006 | Tutor, Intern “Survivor Series” Teaching, Faculty of Medicine, University of Toronto |
| 2004-2006 | Tutor, Art & Science of Clinical Medicine II, Faculty of Medicine, University of Toronto |
| 1999-2000 | Instructor, MCAT preparatory Course, Kaplan Education Centres, Inc. |
| ii. Graduate | |
| 2015 | External examiner, Ph.D. Candidacy Exam (Sharanya Ramesh), Department of Community Health Sciences, Cumming School of Medicine, University of Calgary |
| 2014-present | Member, M.Sc. Supervisory Committee (Dr. Marcus Povitz), Department of Community Health Sciences, Cumming School of Medicine, University of Calgary |
| iii. Postgraduate | |
| 2012-2014 | Preceptor for pulmonary fellow longitudinal clinic (Dr. Anthony Dechant), University of Calgary |
| 2008-2011 | Reviewer, Pulmonary “Case of the Week”, Adult Respirology Training Program, University of Calgary |
| 2008 | Examiner, Internal Medicine Practice Oral Examination, University of Calgary |
| 2008 | Facilitator, Internal Medicine Resident Journal Club, University of Calgary |
| iv. Continuing Education | |
| 2014 | Evaluator/judge for final projects, Certificate Course in Patient Safety and Quality Management, Faculty of Medicine, University of Calgary |
| 2013-2014 | Lecturer, Certificate Course in Patient Safety and Quality Management “Improving Patient Flow: A Queueing Approach”, Faculty of Medicine, University of Calgary |

v. Research Supervision

Summer Students

- 2015 Brenda Luo, Bachelor of Health Sciences candidate, University of Calgary. Project: *Evaluation of a “Fast Track” respiratory therapy clinic for patients with suspected severe sleep disordered breathing*
- 2015 Alicia Liang, Bachelor of Health Sciences candidate, University of Calgary. Project: *An environmental scan of quality indicators for sleep-disordered breathing*
- 2014 Anna de Groot, Bachelor of Science candidate, University of Calgary. Project: *An environmental scan of Anticipated Date of Discharge in acute-care hospitals*
- 2013 Andrey Fendyur, PhD candidate (Graduate Non-Teaching Assistant), University of Calgary. Project: *Using process improvements to guide pulmonary function scheduling policies at the Foothills Medical Centre* (co-supervised with Diane Bischak)
- 2013 Raymond Asamoah-Barnieh, PhD candidate (Graduate Non-Teaching Assistant), University of Calgary. Project: *Using process improvements to guide pulmonary function scheduling policies at the Foothills Medical Centre* (co-supervised with Diane Bischak)
- 2013 Renan Menezes, Bachelor of Administration candidate, Universidade Federal de Pernambuco, Brazil. Project: *Using process improvements to guide pulmonary function scheduling policies at the Foothills Medical Centre* (co-supervised with Diane Bischak)
- 2012 Carl Severson, Bachelor of Health Sciences candidate, University of Calgary. Project: *Association between primary insomnia and healthcare utilization*
- 2011 Carl Severson, Bachelor of Health Sciences candidate, University of Calgary. Project: *A methodologic approach to the identification of sleep disorders using electronic health data*, University of Calgary (co-supervised with Willis Tsai)

Clinical Trainees

- 2015-present Dr. Sarah Perry (Internal Medicine Resident), University of Calgary. Project: *A Scoping Review of Quality Indicators for Sleep-Disordered Breathing*.
- 2012-2014 Dr. Anthony Dechant (Pulmonary Fellow), University of Calgary. Project: *The Clinical Response of Adults with Obstructive Sleep Apnea Who are Treated with Continuous Positive Airway Pressure and Followed by Alternate Care Providers*.
- 2011-present Dr. Mollie Ferris (Radiology Resident), University of Calgary. Project: *Cutaneous Basal Cell Carcinoma with Metastases to Lung*.
- 2008-2011 Dr. Natasha Sabur (Pulmonary Fellow), University of Calgary. Project: *Granulomatous Pneumocystis jiroveci Pneumonia Associated With Immune Reconstituted HIV*.

VI. QUALITY IMPROVEMENT ACTIVITIES

- 2015-present Medical lead, Foothills Medical Centre Sleep Centre Intake/Triage Process, Alberta Health Services – Calgary Zone
- 2015-present Co-chair (Medical), Foothills Medical Centre Sleep Centre Quality Council, Alberta Health Services – Calgary Zone
- 2013-2015 Project lead, *Access to ZZZ's* (Quality improvement project to improve referral and triage process for urgent patients). Foothills Medical Centre Sleep Centre, Alberta Health Services – Calgary Zone.
- 2013-present Project lead, *"Fast Track" alternate care provider clinic for patients with suspected severe sleep-disordered breathing*. Foothills Medical Centre Sleep Centre, Alberta Health Services – Calgary Zone.
- 2012-2014 Project lead, *Using process improvements to guide pulmonary function scheduling policies at the Foothills Medical Centre*. Foothills Medical Centre, Alberta Health Services – Calgary Zone.
- 2011-2013 Project lead, *Planning for patient testing at a pulmonary function laboratory* (Process improvement project to align clinic and pulmonary function scheduling to improve resource utilization). South Health Campus, Alberta Health Services – Calgary Zone.

VII. ADMINISTRATIVE RESPONSIBILITIES

i. Departmental

- 2014-2015 Interim Director, Sleep & Respiration Rounds, University of Calgary
- 2013-present Director, Pulmonary Clinical Academic Rounds, University of Calgary
- 2013-present Chair, Adult Respiriology Training Committee Research Subcommittee, University of Calgary
- 2013-2014 Member, Respiratory Medicine Section Chief Search & Selection Committee, University of Calgary
- 2012-2015 Faculty Mentor, Department of Medicine Resident Mentorship Program, University of Calgary
- 2012-present Member, Adult Respiriology Training Committee Research Subcommittee, University of Calgary
- 2011-2015 Divisional Representative, Department of Medicine Quality Improvement Committee, University of Calgary
- 2009-present Member, Adult Respiriology Training Committee, University of Calgary
- 2008 Interviewer, Adult Respiriology Training Program, University of Calgary
- 2006-2008 Member, Adult Respiriology Training Committee, University of Calgary
- 2005-2006 Member, Internal Medicine Training Committee, University of Toronto
- 2002-2003 Member, Internal Medicine Training Committee, University of Toronto

ii. Faculty

- 2000-2001 President, Hippocratic Council, University of Western Ontario

- 2000-2001 Member, Executive Committee of Faculty Council, University of Western Ontario
- 2000-2001 Member, Faculty Fellowship Adjudication Committee, University of Western Ontario
- 1999-2000 Vice-President, Hippocratic Council (Medical Student Society), University of Western Ontario
- 1999-2000 Chair, Student Affairs Committee, University of Western Ontario
- 1998-1999 Chair, Curriculum Evaluation/Reform Committee, University of Western Ontario

iii. Hospital

- 2012 Physician Lead, Concurrent Inpatient ICD-10 Coding Pilot Project, Respiratory Inpatient Unit, Rockyview General Hospital
- 2012 Participant, Division of Gastroenterology Mini-Retreat, Foothills Medical Centre
- 2011-2012 Member, Optimization of GI Access Committee, Foothills Medical Centre
- 2009-present Member, Foothills Medical Centre Sleep Physicians Committee, Foothills Medical Centre
- 2005-2006 Member, Medicine Core Committee, Sunnybrook Health Sciences Centre
- 2005-2006 Member, Education Committee, Sunnybrook Health Sciences Centre
- 2004-2006 Member, Internal Medicine Training Committee, Sunnybrook Health Sciences Centre
- 2005 Member, Cardiology Education Task Force, Sunnybrook Hospital
- 2005 Participant, Department of Medicine Planning Day, Sunnybrook Hospital
- 2002-2003 Member, Internal Medicine Training Committee, Sunnybrook & Women's College Health Sciences Centre

iv. Regional Health Authority

- 2014 Expert Participant, Calgary Zone Gastroenterology Wait Times Retreat, Alberta Health Services/University of Calgary
- 2012-2013 Chair, Calgary Zone Evaluation Working Group, Calgary Zone Discharge Model, Alberta Health Services

v. Provincial

- 2014-present Member, Scientific Advisory Committee, Respiratory Health Strategic Clinical Network, Alberta Health Services
- 2014-present Co-chair, Sleep Disorders Working Group, Respiratory Health Strategic Clinical Network, Alberta Health Services
- 2013-present Member, Respiratory Health Strategic Clinical Network Core Committee, Alberta Health Services
- 2013-2014 Member, Standardization of Level III Sleep Testing Committee, Respiratory Strategic Clinical Network, Alberta Health Services/College of Physicians and Surgeons of Alberta

2012-2013	Evaluation Lead, Acute Care Capacity Management Working Group, Alberta Health Services
2012-present	Member, COPD Standardized Order Set Pilot Study Subgroup, COPD Working Group, Respiratory Clinical Network, Alberta Health Services
2012-2013	Member, Acute Care Capacity Management Working Group, Alberta Health Services
2012-2014	Member, COPD Working Group, Respiratory Clinical Network, Alberta Health Services
2012	Participant, Chinook Regional Hospital Site Visit for COPD Working Group, Respiratory Clinical Network, Alberta Health Services
2011-2013	Member, Level III Sleep Testing Pathways and Standards Subgroup, Respiratory Clinical Network, Alberta Health Services
2010-2012	Member, Sleep Disorders Working Group, Respiratory Clinical Network, Alberta Health Services

VIII. PROFESSIONAL ACTIVITIES

i. Membership in Professional Colleges and Societies

2012-present	Fellow, American College of Chest Physicians
2011-present	Member, Canadian Sleep Society
2010-present	Member, Lung Association of Alberta & NWT/Thoracic Network of Alberta and Northwest Territories
2009-2014	Member, Institute for Operations Research and the Management Sciences
2009-2014	Member, Canadian Operational Research Society
2009-2014	Member, Canadian Association of Health Services and Policy Research
2007-present	Member, American Academy of Sleep Medicine
2007-present	Member, American Thoracic Society
2006-present	Member, Canadian Thoracic Society
2006-present	Member, Alberta Medical Association
2006-2012	Member, American College of Chest Physicians
1998-present	Member, Ontario Medical Association

ii. Professional Service

2014-present	Member, Training Subcommittee, Canadian Sleep and Circadian Network
2013-present	Member, Editorial Board, Healthy Debate. www.healthydebate.ca
2012-present	Reviewer, Institute for Public Health Internal Peer Review, Faculty of Medicine, University of Calgary
2009-2013	Member, Alberta Sleep Forum Planning Committee
2000	Student Delegate, Canadian Medical Association Annual Meeting

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| 2000 | Participant, Royal College of Physicians and Surgeons of Canada Annual Meeting – “Feedback in Residency Education” |
| 2000 | Participant, Council of Ontario Faculties of Medicine Annual Meeting |

IX. RESEARCH SUPPORT

i. Operating Grants: Principal or Co-Investigator

1. Canadian Institutes of Health Research Institute of Circulatory and Respiratory Health Community Development Program Grant (Peer-Reviewed)
 Program: *Mobilizing The Healthcare Community Towards An Integrated Approach To Improving Outcomes Of Patients With Sleep Disorders – Canadian Sleep and Circadian Network (CSCN)*
 Funding Period: 2015/10/01 – 2020/09/30
 Total Amount: \$1,999,713 (additional \$2,000,000 of matching funds)
 Role: Co-Investigator

2. Alberta Health Services Respiratory Health Strategic Clinical Network Mini-Grant (Peer-Reviewed)
 Project: *A Scoping Review of Quality Indicators for Sleep-Disordered Breathing*
 Funding Period: 2015/05/01 – 2015/10/31
 Total Amount: \$5,000
 Role: Principal Investigator

3. Alberta Health Services Respiratory Health Strategic Clinical Network Mini-Grant (Peer-Reviewed)
 Project: *An Analysis of Hospital Length of Stay and 30-day Readmission Rates of COPD Patients after the Implementation of Standardized COPD Order Sets at the Peter Lougheed Centre*
 Funding Period: 2015/05/01 – 2015/10/31
 Total Amount: \$5,000
 Role: Co-Investigator

4. Alberta Innovates – Health Solutions Partnership for Research and Innovation of the Health System (PRIHS-2) (Peer-Reviewed)
 Project: *Developing and Assessing the Effectiveness of a Post-Discharge Care Pathway to Reduce Emergency Department Re-Visits and Hospital Re-Admission Rates for Patients with Chronic Obstructive Pulmonary Disease*
 Funding Period: 2015/04/01 – 2018/03/31
 Total Amount: \$750,000
 Role: Co-Investigator

5. Canadian Lung Association/Thoracic Network of Alberta and Northwest Territories National Grant Review (Peer-Reviewed)
 Project: *Evaluation of a “Fast Track” Respiratory Therapy Clinic for Patients with Suspected Severe Sleep Disordered Breathing*
 Funding Period: 2014/07/01 – 2015/06/30
 Total Amount: \$30,000
 Role: Principal Investigator

6. Alberta Cancer Foundation Transformative Programs (Peer-Reviewed)
 Project: *Alberta Lung Cancer Screening Program*

Funding Period: 2014/10/01 – 2019/09/30

Total Amount: \$2,326,648

Role: Co-Investigator

7. Canadian Institutes of Health Research Operating Grant (Peer-Reviewed)
Project: *An Evaluation of the Organizational Process of Developing a Provincial Acute Care Discharge Model in Alberta Hospitals.*
Funding Period: 2013/10/01 – 2015/09/30
Amount per year: \$134,136
Role: Principal Investigator
8. Alberta Health Services – Calgary Zone Medical Affairs Office
Project: *Improving Access to Pulmonary Consultation and Testing*
Funding Period: 2012/09/01 – 2014/03/31
Total Amount: \$161,658
Role: Principal Investigator
9. Thoracic Network of Alberta & Northwest Territories Angela Jone Memorial Research Award (Peer-Reviewed)
Project: *The Clinical Response of Adults with Obstructive Sleep Apnea Who are Treated with Continuous Positive Airway Pressure and Followed by Alternate Care Providers*
Funding Period: 2012/07/01 – 2013/12/31
Total Amount: \$25,000
Role: Principal Investigator
10. Calgary Health Region Adult Research Committee Award (Peer-Reviewed)
Project: *Impact of CPAP on Dyspnea and Exercise in Obese Patients with Obstructive Sleep Apnea*
Funding Period: 2007/07/01 – 2009/06/30
Total Amount: \$5000
Role: Co-Investigator

ii. Salary Awards

1. Alberta Heritage Foundation for Medical Research Clinical Fellowship
Project: *Optimizing Patient Flow: Using Computer Simulation to Improve Operational Efficiency of an Academic Sleep Centre*
Funding Period: 2009/07/01 – 2011/06/30
Amount per year: \$48000
2. Health Quality Council of Alberta Research Studentship
Project: *Optimizing Patient Flow: Using Computer Simulation to Improve Operational Efficiency of an Academic Sleep Centre*
Funding Period: 2009/12/01 – 2010/03/31
Total Amount: \$6400

iii. Personnel Awards

1. Alberta Health Services Respiratory Health Strategic Clinical Network Summer Studentship
Project: *An Environmental Scan of Quality Indicators for Sleep-Disordered Breathing*
Funding Period: 2015/05/01 – 2015/08/28
Total Amount: \$5600

- Role: Principal Investigator
2. MITACS-Globalink International Research Internship Program
Project: *Using Process Improvements to Guide Pulmonary Function Scheduling Policies at the Foothills Medical Centre*
Funding Period: 2013/06/01 – 2013/08/31
Total Amount: Expenses paid for summer undergraduate student (Renan Menezes)
Role: Co-Applicant with Diane Bischak
 3. University of Calgary O'Brien Centre Summer Studentship
Project: *Association Between Primary Insomnia and Healthcare Utilization*
Funding Period: 2012/06/01 – 2012/08/31
Total Amount: \$3600
Role: Supervisor for Carl Severson
 4. University of Calgary Division of Respiriology Summer Studentship
Project: *Association Between Primary Insomnia and Healthcare Utilization*
Funding Period: 2012/06/01 – 2012/08/31
Total Amount: \$900
Role: Supervisor for Carl Severson
 5. University of Calgary O'Brien Centre Summer Studentship
Project: *A methodologic approach to the identification of sleep disorders using electronic health data*
Funding Period: 2011/05/01 – 2011/08/31
Total Amount: \$4800
Role: Supervisor for Carl Severson (with Willis Tsai)
 6. University of Calgary Division of Respiriology Summer Studentship
Project: *A methodologic approach to the identification of sleep disorders using electronic health data*
Funding Period: 2011/05/01 – 2011/08/31
Total Amount: \$1200
Role: Co-supervisor for Carl Severson (with Willis Tsai)

X. INVITED ADDRESSES

i. Regional

1. *Using Operations Research to Improve Healthcare Delivery*. O'Brien Institute for Public Health International Scientific Advisory Group Meeting, University of Calgary (March 12, 2015)
2. *Access to Zzz's: A Quality Improvement Journey*. Foothills Medical Centre Sleep Centre Education Day (December 12, 2014)
3. *Why QI? A Clinician's Experience* (Keynote Address). Calgary Healthcare Improvement Network/Alberta Health Services "Lean and Clean" Conference (November 1, 2014)
4. *The Path to Home Evaluation Framework: Defining and Measuring Success*. Department of Medicine Quality Improvement Rounds, University of Calgary (June 7, 2013)

5. *The Path to Home Evaluation Framework*. Rockyview General Hospital Self-Managed Operating Unit Retreat (April 17, 2013)
6. *Evaluating Healthcare Systems with Insufficient Capacity to Meet Demand*. Haskayne School of Business Operations Research Day, University of Calgary (December 7, 2012)
7. *Improving Patient Access: Using Computer Simulation to Increase the Operational Efficiency of an Academic Sleep Centre*. Department of Medicine Medical Grand Rounds, University of Calgary (April 1, 2012)
8. *Improving Patient Access: Using Computer Simulation to Increase the Operational Efficiency of an Academic Sleep Centre*. Division of Respiriology Clinical Academic Rounds, University of Calgary (March 9, 2012)
9. *Improving Patient Access: Using Computer Simulation to Increase the Operational Efficiency of an Academic Sleep Centre*. Sleep & Respiration Rounds, University of Calgary (March 7, 2012)
10. *Using Discrete-Event Simulation to Improve the Operational Efficiency of an Academic Sleep Centre*. Haskayne School of Business Healthcare Operations Management Group, University of Calgary (January 13, 2012)
11. *Improving Access: Using Computer Simulation to Improve Operational Efficiency of an Academic Sleep Centre*. Division of Respiriology Resident Research Day, University of Calgary (March 5, 2011)
12. *Improving Patient Flow: Using Computer Simulation to Improve Operational Efficiency of an Academic Sleep Centre*. Western Regional Training Centre Student Seminar, University of Calgary (2011)
13. *Optimizing Patient Flow: Using Discrete-Event Simulation to Improve the Operational Efficiency of an Academic Sleep Centre*. Haskayne School of Business Operations Research Day, University of Calgary (2009)
14. *Obesity, Sleep Apnea, and Dyspnea: Is CPAP the Answer?* Sleep & Respiration Rounds, University of Calgary (2009)
15. *The Myth of Mild COPD*. Internet Seminar Series, Calgary, AB (2009)
16. *Chronic Obstructive Pulmonary Disease: Canadian Guidelines Update*. Red Deer Associate's Clinic (2009)
17. *Asthma and COPD: Update on Management*. Respiratory Nursing Group, Medicine Hat Hospital (2009)
18. *Chronic Obstructive Pulmonary Disease: Canadian Guidelines Update*. Calgary Family Physicians Group (2008)
19. *Human Chronobiology & Circadian Rhythm Disorders*. Sleep & Respiration Rounds, University of Calgary (2008)
20. *Obesity: Physiological Consequences*. Sleep & Respiration Rounds, University of Calgary (2008)
21. *Obesity: Physiological and Clinical Consequences*. Pediatric Respiriology Academic Rounds, University of Calgary (2008)

22. *Beyond the Upper Airway: Central Control in Sleep-Disordered Breathing.* Division of Respiriology Clinical Academic Rounds, University of Calgary (2008)
23. *Obesity: Physiological and Clinical Consequences.* Division of Respiriology Clinical Academic Rounds, University of Calgary (2007)
24. *Perioperative Pulmonary Complications.* Division of Respiriology Clinical Academic Rounds, University of Calgary (2007)
25. *A Rare Case of Leptomeningeal Chronic Lymphocytic Leukemia.* University Health Network Medical Grand Rounds, University of Toronto (2003)
26. *The 4-ward Report.* Faculty of Medicine Development Day, University of Western Ontario (2000)

ii. Provincial

1. *Improving Access: Using Computer Simulation to Improve Operational Efficiency of an Academic Sleep Centre.* 2011 Alberta Sleep Forum (April 28, 2011)
2. *Alberta: the Land of Plenty or the Land of Waiting Lists* (Presentatio and Panel Discussion) 2009 Alberta Sleep Forum (October 29, 2009)
3. *Obesity, Sleep Apnea, and Dyspnea: Is CPAP the Answer?* 2009 Alberta Sleep Forum (October 28, 2009)

iii. National

1. *The Role of Alternate Care Providers in the Management of Sleep Disordered Breathing.* Canadian Respiratory Conference “A Breath of Fresh Air” (April 25, 2014)
2. *“I Just Can’t Wear This Mask!”: Update on Non-CPAP Therapies for Obstructive Sleep Apnea.* Canadian Respiratory Conference “A Breath of Fresh Air” (April 12, 2013)
3. *Improving Patient Flow at a Sleep Centre Using Discrete-Event Simulation.* 2011 Canadian Operational Research Society Conference (June 1, 2011)
4. *Continuous Positive Airway Pressure (CPAP) Therapy Increases Exercise Tolerance in Obese Subjects with Obstructive Sleep Apnea.* Canadian Resident-Fellow Competition in Respiratory Research (April 25, 2009)
5. *The Panic of AIDS: Questioning Public Perception.* Royal College of Physicians and Surgeons of Canada Annual Meeting (2000)
6. *The War on AIDS: A Justified Battle?* History of Medicine Days, University of Calgary (2000)

iii. International

1. *Evaluating Healthcare Systems with Insufficient Capacity to Meet Demand.* Winter Simulation Conference, Berlin, Germany (December 12, 2012)
2. *Granulomatous Pneumocystis jiroveci Pneumonia Associated with Immune Reconstituted HIV.* CHEST Annual Meeting, Philadelphia, PA (October 29, 2008)

3. *Hydralazine-induced Pulmonary Hemorrhage*. CHEST Annual Meeting, Chicago, IL (October 23, 2007)

XI. PUBLICATIONS/PRESENTATIONS

i. Peer Reviewed Manuscripts

1. Woiceshyn J, Blades KG, **Pendharkar SR**. *Implementing Integrated Versus Fragmented Complex Innovations in Acute Health Care*. Health Care Manage Rev (in press).
2. Ip A, Asamoah-Barnieh R, Bischak DP, Davidson WJ, Flemons WW, **Pendharkar SR**. *Using Operational Analysis To Improve Access To Pulmonary Function Testing*. Can Respir J (in press).
3. **Pendharkar SR**, Woiceshyn J, da Silveira GJC, Bischak DP, Flemons WW, McAlister FA, Ghali WA. *What Happens When Healthcare Innovations Collide? BMJ Qual Saf* 2015;0:1–5. doi:10.1136/bmjqs-2015-004441.
4. Severson CA, **Pendharkar SR**, Ronksley PE, Tsai WH. *Use of Electronic Data and Existing Screening Tools to Identify Clinically Significant Obstructive Sleep Apnea*. Can Respir J. Can Respir J 2015 Jun; 22(4):215-20.
5. Povitz M, James MT, **Pendharkar SR**, Raneri J, Hanly PJ, Tsai WH. *Prevalence of Sleep Disordered Breathing in Obese Chronically Hypoxic Patients: A Cross-Sectional Study*. Ann Amer Thor Soc. 2015 Jun; 12(6):921-7.
6. **Pendharkar SR**, Bischak DP, Rogers P, Flemons W, Noseworthy TW. *Using Patient Flow Simulation to Improve Access at a Multidisciplinary Sleep Centre*. J Sleep Res. 2015 Jun;24(3):320-7.
7. Novak KL, Veldhuyzen Van Zanten S, **Pendharkar SR**. *Improving Access in Gastroenterology: the Single Point of Entry Model for Referrals*. Can J Gastroenterol. 2013 Nov; 27(11):633-5.
8. Severson CA, Tsai WH, Ronksley PE, **Pendharkar SR**. *Identification of Insomnia in a Sleep Centre Population Using Electronic Health Data Sources and the Insomnia Severity Index*. J Clin Sleep Med. 2013 Jul; 9(7):655-60.
9. **Pendharkar SR**, Bischak DP, Rogers P. *Evaluating Healthcare Systems with Insufficient Capacity to Meet Demand*. Proceedings of the 2012 Winter Simulation Conference 2012.
10. **Pendharkar SR**, Tsai WH, Eves N, Ford GT, Davidson W. *Continuous Positive Airway Pressure (CPAP) Therapy Increases Exercise Tolerance in Obese Subjects with Obstructive Sleep Apnea*. Respir Med. 2011 Oct; 105(10):1565-71.
11. Sabur NF, Kelly MM, Gill MJ, Ainslie M, **Pendharkar SR**. *Granulomatous Pneumocystis jiroveci Pneumonia Associated With Immune Reconstituted HIV*. Can Respir J. 2011 Nov;18(6):e86-8.
12. **Pendharkar S**, Mehta S. *The Clinical Significance of Exhaled Nitric Oxide in Asthma*. Can Respir J. 2008 Mar;15(2):99-106.
13. **Pendharkar SR**, Tremblay A. *A Diagnostic Approach to Pleural Effusion*. J Respir Dis. 2007 Dec;28(12):565-82.

14. **Pendharkar SR**, Chen C. *A Rare Case of Leptomeningeal Spread of Chronic Lymphocytic Leukemia*. UTMJ. 2006 Mar;83(2):108-10.

ii. Non-peer Reviewed Manuscripts

1. **Pendharkar SR**. *Improving Patient Access: Using Computer Simulation to Increase the Operational Efficiency of an Academic Sleep Centre*. <http://hdl.handle.net/1880/48730>. 2011.
2. **Pendharkar SR**. *The War on AIDS: A Justified Battle?* History of Medicine Days Proceedings 2000.

iii. Conference Proceedings

1. Woiceshyn J, Blades KG, **Pendharkar SR**. *Implementation challenges: integrated versus fragmented innovations in health care*. International Society for Professional Innovation Management Conference 2015.

iv. Books/Chapters

1. **Pendharkar SR**, Flemons WW. Obesity Hypoventilation Syndrome. In: Basner R, ed. *Case Studies in Polysomnography Interpretation*. Cambridge, UK: Cambridge University Press; 2012: 109-110.
2. **Pendharkar SR**, Flemons WW. Inspiratory Muscle Weakness. In: Basner R, ed. *Case Studies in Polysomnography Interpretation*. Cambridge, UK: Cambridge University Press; 2012: 111-112.

v. Abstracts

1. Liang A, **Pendharkar SR**. *An environmental scan of quality of care measures in use at Canadian Sleep Centres*. Campus Alberta Student Conference on Health 2015.
2. Povitz M, James MT, **Pendharkar SR**, Hanly PJ, Tsai WH. *Prevalence of Sleep Disordered Breathing in Obese Chronically Hypoxic Patients: A Cohort Study*. American Thoracic Society International Conference 2015.
3. **Pendharkar SR**, Hirani N, Faris P, Bhutani M, Hall J, Graham J, Mody CH, Ospina MB, Stickland MK. *Effectiveness of a standardized admission order set for acute exacerbation of COPD*. American Thoracic Society International Conference 2015.
4. Byblow C, Ward K, Pawlak B, Hanly PJ, Warren J, **Pendharkar SR**. *Access to Zzz's: a quality improvement journey*. Canadian Respiratory Conference 2015.
5. Novak KL, Rioux K, Kathol B, Swain M, Pang JXQ, Boyce E, **Pendharkar SR**, Myers RR, Andrews CN, Belletrutti PJ. *Quality And Wait Times For The 'Direct To Procedure' Pathway In Gastroenterology, An Effective Way Of Improving Access To Care*. Canadian Digestive Disorders Week 2015.
6. **Pendharkar SR**, Hirani N, Faris P, Bhutani M, Hall J, Graham J, Mody CH, Stickland MK. *Standardized admission order set for acute exacerbation of COPD: early results and insights*. Alberta Innovates-Health Solutions/Alberta Health Services SCN Connects Conference 2014.
7. De Grood A, Blades KG, **Pendharkar SR**. *An environmental scan of anticipated date of discharge in acute-care hospitals*. Campus Alberta Student Conference on Health 2014.

8. Ip A, Asamoah-Barnieh R, Bischak DP, Davidson WJ, Flemons WW, **Pendharkar SR**. *Using process improvements to guide pulmonary function scheduling policies at the Foothills Medical Centre*. Can Respir J. 2014 Mar-Apr; 21(2):e16.
9. Cosic N, **Pendharkar SR**, Fell CD. *Opportunities to Improve Efficiency in an Academic Pulmonary Clinic*. Can Respir J. 2014 Mar-Apr; 21(2):e17.
10. Dechant A, Bischak DP, Hanly PJ, Tsai WH, Stevenson AM, **Pendharkar SR**. *Maximizing the effective use of alternate-care providers for patients with obstructive sleep apnea*. CHEST 2013;144:992A.
11. Bischak DP, **Pendharkar SR**, Davidson WJ, Fell CD. *Planning for patient testing at a pulmonary function laboratory*. Institute for Operations Research and the Management Sciences (INFORMS) Conference on Healthcare 2013:36.
12. Bischak DP, **Pendharkar SR**, Davidson WJ, Fell CD. *Planning for timely patient testing linked to clinic appointments*. Canadian Operational Research Society Annual Conference 2013.
13. Ronksley PE, Severson CA, **Pendharkar SR**, Tsai WH. *Validity of administrative data for the identification of sleep disordered breathing*. Am J Respir Crit Care Med 185;2012:A6449.
14. Severson CA, Tsai WH, Ronksley PE, **Pendharkar SR**. *A methodologic approach to the identification of obstructive sleep apnea syndrome using electronic health data*. Am J Respir Crit Care Med 185;2012:A6440.
15. Severson CA, **Pendharkar SR**, Ronksley PE, Tsai WH. *Identification of insomnia using electronic health data*. SLEEP 35;2012:A425.
16. **Pendharkar SR**, Tsai WH, Eves N, Ford GT, Davidson W. *Continuous Positive Airway Pressure (CPAP) Therapy Increases Exercise Tolerance in Obese Subjects with Obstructive Sleep Apnea*. Am J Respir Crit Care Med 2009 179:A204.
17. Girard L, **Pendharkar SR**, Thakrar MV, Trpkov K, Hirani N. *Metastatic prostate cancer and pulmonary carcinoid – synchronous processes or mistaken identities?* CHEST 2008 134:c28001.
18. Sabur NF, **Pendharkar SR**, Kelly MM, Gill MJ, Ainslie M. *Granulomatous Pneumocystis jiroveci Pneumonia Associated With Immune Reconstituted HIV*. CHEST 2008 134:c56001.
19. Thakrar MV, **Pendharkar SR**, Penney CJ, Hirani N. *Hydralazine-induced Pulmonary Hemorrhage Associated with a Lupus Anticoagulant*. CHEST 2007 132:722S-3S.
20. **Pendharkar SR**, Chan CK, Hutcheon MA, Marras TK. *Management and Outcomes of Pulmonary Mycobacterium Avium Complex at an Academic Centre*. CHEST 2004 126:834S.
21. **Pendharkar SR**. *A Student Perspective on Ethics in Medical Education*. Royal College of Physicians and Surgeons of Canada Annual Meeting 2000.

vi. Communications

1. Glauser W, **Pendharkar SR**, Caulfield T. *Should Canadian communities continue to fluoridate water?* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2015 Jul 9.
2. Glauser W, **Pendharkar SR**, Nolan M. *Wearable technologies – expensive toys or the future of health?* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2015 May 7.
3. Glauser W, Konkin J, **Pendharkar SR**. *Do calories on restaurant menus make a difference?* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2015 Apr 9.
4. Jabbar A, **Pendharkar SR**, Petch J. *Improving medication safety for the elderly.* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Dec 11.
5. Milne V, **Pendharkar SR**, Nolan M. *Is Canada's medical malpractice system working?* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Nov 20.
6. Milne, V, **Pendharkar SR**, Winkel G. *From the factory floor to the emergency department: hospitals explore Lean method* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Sep 11.
7. Milne, V, **Pendharkar SR**, Winkel G. *The surprising science behind evidence-based hospital design* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Jul 24.
8. **Pendharkar SR**, Roman M. *Risks and rewards of e-cigarettes remain unknown* (Opinion). Calgary Herald. 2014 Apr 12.
9. **Pendharkar SR**, Roman M. *Too little data for doctors to recommend e-cigarettes* (Opinion – peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Apr 4.
10. Born K, Laupacis A, **Pendharkar SR**. *Improvements suggested to the health system that failed Greg Price* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Mar 13.
11. Born K, Sullivan T, **Pendharkar SR**. *Missing the target on health care performance?* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2014 Jan 16.
12. Born K, Doig CJ, **Pendharkar SR**. *Integrating physician assistants in Canada* (News article – not peer-reviewed). Healthy Debate (www.healthydebate.ca). 2013 Dec 5.
13. **Pendharkar SR**. *Working smarter to reduce wait times* (Opinion – peer-reviewed). Healthy Debate (www.healthydebate.ca). 2013 Oct 21.
14. **Pendharkar SR**. *Not just supply and demand: how to reduce overcrowding and waiting lists* (Educational podcast – not peer-reviewed). W21C Patient Safety Podcast (www.patientsafetypodcast.com). 2013 Sep 20.
15. **Pendharkar SR**. *Medical women in academia: silenced by the system* (Letter to the Editor – not peer-reviewed). Can Med Assoc J. 2003 Mar 4; 168(5):542-4.